502800106 05/08/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2846701

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MEREDITH MCMURDO DOYLE	04/14/2014
MARK R. STOUFFER	04/14/2014
THOMAS E. WOOD	04/17/2014

RECEIVING PARTY DATA

Name:	3M INNOVATIVE PROPERTIES COMPANY
Street Address:	P.O. BOX 33427
City:	ST. PAUL
State/Country:	MINNESOTA
Postal Code:	55133-3427

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14356903

CORRESPONDENCE DATA

Fax Number: (651)736-3833

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Phone: 651-733-1500

Email: skweber@mmm.com

Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: PO BOX 33427

Address Line 4: ST. PAUL, MINNESOTA 55133-3427

ATTORNEY DOCKET NUMBER:	67608US004
NAME OF SUBMITTER:	SHERRI K.W. JOHNSON
SIGNATURE:	/Sherri K.W. Johnson/
DATE SIGNED:	05/08/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

source=Declaration-Assignment-67608US004#page1.tif source=Declaration-Assignment-67608US004#page2.tif source=Declaration-Assignment-67608US004#page3.tif

PATENT 502800106 REEL: 032846 FRAME: 0575

DECLARATION AND ASSIGNMENT, FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)

Case No:

67608US004

As a below named inventor, I be			entor of a claimed	invention in the
application and for which a paten	it is sought on the inv	vention entitled:		

application and for which a patent is sought on the invention entitied:	
FILTRATION MEDIUM COMPRISING A METAL-C	ONTAINING PARTICULATE
The specification of which:	
is attached hereto;	
was filed on as United States Application No.	
is identified as PCT International Application No. filed on December 13, 2012	PCT/US2012/069403
The above-identified application was made or authorized to be made by	me.
I hereby acknowledge that any willful false statement made in this declar fine or imprisonment of not more than 5 years, or both.	ration is punishable under 18 U.S.C. 1001 by
In addition, for good and valuable consideration, receipt of which is acknown and do hereby assign and transfer unto the 3M INNOVATIVE PROPERT 3M COMPANY, and a corporation of Delaware, having its principal office assigns, the entire right, title, and interest in and to the said invention an continuation (in whole or in part) of said application, and in and to any are by me or made jointly with others (provided any such improvement is matermination of, my employment with 3M COMPANY and any of its existing all Letters Patent, reexaminations, reissues, or extensions thereof, of the thereto (including the right to apply for Letters Patent, Utility Models, or I own name and to claim any priority rights for such foreign applications to international conventions, treaties, or otherwise), which have been or maternation (in whole or in part), renewal, reexamination, reissue, or otherwise been by me had this assignment and transfer not been made;	TIES COMPANY, a wholly-owned subsidiary of e at Saint Paul, Minnesota, its successors and id application, and in and to any division or and all improvements in the said invention made ade during, or within one year after the ing or future subsidiaries), and in and to any and a United States of America and countries foreign inventors' Certificates in foreign countries in its to which such applications are entitled under ay be granted thereon or on any divisional, there or further application based in whole or in
I do further agree for myself and for my heirs, executors, and administrationsideration any further applications, assignments, and documents, and that may be deemed necessary by said Company, its successors, assignand interest as aforesaid and to obtain or maintain Letters Patent, Utility countries; and	id to perform such other acts as I lawfully may, ns, and nominees, fully to secure its right, title,
I do hereby authorize and request the Commissioner of Patents to issue granted upon any of the said applications, to said 3M Innovative Propert title, and interest therein.	any and all Letters Patent which may be ies Company, as the assignee of the entire right
Legal Name of Inventor: Meredith McMurdo Doyle	
Inventor's Signature: Date:	14/14

PATENT REEL: 032846 FRAME: 0576

DECLARATION AND ASSIGNMENT. FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)

Case No:

67608US004

	***************************************	*********	OMPRISING A	METAL-CON	TAINING PARTICULATE
The	specification of which	hi 🦠			3
	is attached hereto;				
	as United States A	oplication No.			
\boxtimes	is identified as PCT			Ţ.	CT/US2012/069403
	filed on	December 13, 2	.0.12		
The	above-identified app	ilication was mad	de or authorized to	be made by me.	
her	eby acknowledge th	at anv willful fals	e statement made	in this declaration	n is punishable under 18 U.S.C. 1001 by
	or imprisonment of r				, , , , , , , , , , , , , , , , , , , ,
ine	•			No.	
	idition, for good and	valuable conside	eration, receipt of w	hich is acknowle	dged, I have agreed to assign and transfe
n ad and	do hereby assign ar	id transfer unto th	he 3M INNOVATIV	E PROPERTIES	COMPANY, a wholly-owned subsidiary of
n ad and 3M (do hereby assign ar COMPANY, and a c	id transfer unto the prporation of Dela	he 3M INNOVATIV aware, having its pr	E PROPERTIES incipal office at 5	

by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me had this assignment and transfer not been made;

I do further agree for myself and for my heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries: and

I do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

Legal Name of Inventor:	
Mark R. Stouffer	
Inventor's Signature:	Date:
invendors dignatale.	,
	88. 1 /
	14 11711 2014
	/. * / V ` ' ` ` ` ` ' (

DECLARATION AND ASSIGNMENT. FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR § 1.63)

RECORDED: 05/08/2014

Case No:

67608US004

As a below named inventor. I believe I am an original inventor or an original joint inventor of a claimed invention in the

The	specification of wh		ETAL-CONTAINING PARTICULATE
	is attached hereto		
	was filed on as United States /	Application No.	
\boxtimes	is identified as PC filed on	T International Application No. December 13, 2012	PCT/US2012/069403
The	above-identified ap	pplication was made or authorized to be r	made by me.

In addition, for good and valuable consideration, receipt of which is acknowledged, I have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional. continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me had this assignment and transfer not been made;

I do further agree for myself and for my heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I lawfully may. that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries; and

I do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

Legal Name of Inventor: Thomas E. Wood			
Inventor's Signature: Movua E. U	Date:	9/17/14	

PATENT REEL: 032846 FRAME: 0578